April 29, 2013

PROJECT : **Cooney State Park**
Additional Red Lodge Camping

PROJECT NO. : **FWP No. 7096420**
SS No. 07056.01

ADDENDUM NO. TWO

The following changes shall be noted by all interested bidders and shall be made part of the Contract Plans and Specifications. A signed original of this Addendum must be included with the bid documents.

1. BID FORM

A revised Bid Form has been attached to this Addendum No. Two and contains the following modifications:

Bid Item No. 146 – Barrier Rock – the unit for bidding has been changed from per ton to per each in order to avoid potential added cost associated with suppliers' ability to weigh the rocks. The weight of the rocks was assumed to be an average of 1 ton per rock, so the bid quantity is still 100.

2. CLARIFICATIONS

a. The well drop pipe shall be 1-inch Schedule 40 galvanized steel pipe.
b. The two 1.5-inch curb stop valves shown on either side of the tee directly south of the pump house shall be considered incidental to the bid item for the 1.5-inch HDPE water main.
c. Curb boxes shall be extension-type per Section 02660, Item 2.7A of the Montana Public Works Standard Specifications, 6th Edition, but with a minimum 3-foot bury depth.

d. The well depth is 110 feet. This and additional information is provided on the attached well log.

e. The copper feeders were identified on the electrical plans as 'TRIPLEX'. A call was received that they could not find a supplier for this cable. There are three options for this cable:

    1) Aetna Wire and Cable (www.aetnawire.com) manufactures the wire as specified.

    2) An approved substitute is type TC tray cable which is available in multi-conductor copper within an overall sheath. Typically this is approved for direct burial but this must be confirmed with the manufacturer. Service Wire Co. is one manufacturer of this cable.

    3) Another approved substitute is to use single conductor XLP/USE copper and provide three conductors per feeder.

    In all cases the required ground wire may be supplied as a separate wire, or can be included within the sheath at the contractor's discretion.

f. Contractors *will* be allowed to camp on-site during construction.

    1) Contractor shall be allowed to occupy up to six existing camp sites located on the existing Red Lodge Creek Camp Ground loop.
    2) Contractor shall be required to abide by all State Park rules and regulations associated with camping, including the full camp fees ($20.00 per night for a single electrified site, $40 per night for double occupancy electrified sites).
    3) Contractor camp sites shall be located adjacent to, or across from one another, not interspersed between sites occupied by the public.
    4) The 14 day camping limit shall be waived for the contractor for the length of the project (estimated to be 9/16/13 through 11/1/13).

Note: Bidder shall acknowledge receipt and acceptance of Addendum No. Two by signing below and including Addendum in Bid Package at time of bid opening.

END OF ADDENDUM NO. TWO

This Addendum No. Two is hereby acknowledged this _____ day of _____, 20___.

Set No._____ _____

(Company)

By:_____

PROPOSAL

Montana Fish, Wildlife & Parks **FWP Project #: 7096420**
Design and Construction Section
PO Box 200701, 600 North Park Avenue
Helena, Montana 59620-0701

The undersigned, having familiarized himself with the conditions of the work and the contract documents as prepared by FWP, agrees to furnish all labor, materials, equipment, and services necessary to complete all general construction work, as bid herein, for a project entitled **Cooney State Park – Reg Lodge Additional Camping - Carbon County, Montana** in accordance with the Contract Documents including all Addenda. Bidder agrees to perform all work described below at the price shown as follows:

Base Bid;

Item No.	Description	Unit	Est. Qty	Unit Price	Total
101	Mobilization and Insurance	LS	1		$
102	Stormwater Management and Erosion Control	LS	1		$
103	Strip and Stockpile Topsoil	CY	2,400	$	$
104	Unclassified Excavation	CY	1,200	$	$
105	15-inch CMP Culvert	LF	260	$	$
106	Riprap, D50 = 6-inch	CY	6	$	$
107	Road and Campsite Gravel Section (4-inch gravel and 5-inch pit run)	CY	2,900	$	$
108	Trail Gravel Section (4-inch gravel)	CY	36	$	$
109	Camp/Tent Pad Subgrade Preparation	SY	1,000	$	$
110	Camp Pad Gravel Section (4-inch gravel)	CY	110	$	$
111	Tent Pad Gravel Section (4-inch pea gravel)	CY	15	$	$
112	Precast Concrete Vault Latrine	EA	2	$	$
113	Pump House	EA	1	$	$
114	Pump House Appurtenances	LS	1		$
115	Well pump	EA	1	$	$
116	1.5-inch HDPE Pipe	LF	565	$	$
117	1-inch HDPE Pipe	LF	355	$	$
118	1.5-inch Curb Stop w/ Stop & Waste	EA	1	$	$
119	1-inch Curb Stop w/ Stop & Waste	EA	5	$	$
120	Mainguard #77 Blowoff	EA	2	$	$
121	Yard Hydrant	EA	4	$	$
122	Thermaline Water Service	EA	1	$	$
123	Drainfield (100 LF), Septic Tank, & Appurtenances	LS	1		$
124	Irrigation System	LS	1		$
125	Electrical Service Secondary #350 MCM	LF	200	$	$
126	Service Secondary 3-inch PVC Conduit	LF	60	$	$
127	Electrical Pedestals	EA	13	$	$

128	Wire - #2/0 Triplex CU	LF	750	$	$
129	Ground Wire #4	LF	2,617	$	$
130	Wire - #3/0 Triplex CU	LF	620	$	$
131	Wire - #2 Triplex CU	LF	1,250	$	$
132	Electrical Trenching/Backfilling	LF	3,350	$	$
133	Electrical Terminations/Vaults/Misc.	EA	100	$	$
134	Lights	EA	2	$	$
135	Lighting Circuits - #12's Type UF	LF	500	$	$
136	Well Circuit - #10's Type UF	LF	200	$	$
137	Panelboards - 600 AMP	EA	1	$	$
138	Panelboards - 100 AMP	EA	1	$	$
139	CT Cans/Meter Bases	EA	1	$	$
140	Pumphouse Electrical	LS	1		$
141	Precast Concrete Parking Bumper	EA	8	$	$
142	Information Kiosk	EA	2	$	$
143	New Single-Post Sign	EA	2	$	$
144	Place and Finish Grade Topsoil	LS	1		$
145	Seed Disturbed Areas	LS	1		$
146	Barrier Rock	EA	100	$	$
147	5/8-inch Minus Clean Crushed Local Stone Mulch	SF	4,950	$	$
148	Conditioned Topsoil for Tree Plantings	CY	185	$	$
149	Trees	EA	37	$	$

Base Bid:_____
AND _____/100 DOLLARS ($_____).

Additive Alternate No. 1;

Item No.	Description	Unit	Est. Qty	Unit Price	Total
ALT1-1	Mobilization and Insurance (10%)	LS	1		$
ALT1-2	Irrigation System	LS	1		$
ALT1-3	Conditioned Topsoil for Tree Plantings	CY	270	$	$
ALT1-4	Trees	EA	54	$	$

Add. Alt. No. 1 Bid:_____
AND _____/100 DOLLARS ($_____).

TOTALBID:_____
AND _____/100 DOLLARS ($_____).

And certifies that he is a duly and regularly licensed contractor registered with the Montana Department of Labor and Industry:

FIRM NAME:_____ TELEPHONE#_____
SIGNED BY:_____ DATE:_____ REG#_____
BUSINESS ADDRESS_____
ADDENDUM NO. _____ DATE: _____ ADDENDUM NO._____ DATE:_____

MONTANA WELL LOG REPORT

Form No. 603 R2-04

Well ID# _____

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with MBMG within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.**

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. Record additional information in the REMARKS section.

RECEIVED
FEB 20 2013
WATER RESOURCES DIVISION
DEPT. OF FISH, WILDLIFE & PARKS

1. WELL OWNER:

Name MONTANA STATE OF Board Land Commissioners

Mailing address P.O Box 201601

HELENA MONT 59620

2. WELL LOCATION:

List ¼ from smallest to largest

_____ ¼ SE ¼ NE ¼ SE ¼, Section 34

Township 4 N(S) Range 20 E(W) County Carbon

Lot _____, Tract/Blk ____ Subdivision Name _____

Certificate of Survey _____

Well Address _____

GPS ☒ Yes ☐ No

Latitude 45° 26. 439 Longitude 109° 14. 152

Error as reported by GPS locator (± feet) 15.6

Horizontal datum ☒ NAD27 ☐ WGS84

3. PROPOSED USE:

☐ Domestic ☐ Stock ☐ Irrigation

☒ Public water supply ☐ Monitoring Well

☐ Geothermal ☐ Closed System ☐ Open System ☐ Reinjection

☐ Extraction H_2O Temp _____ Number of Wells in System _____

☐ Other: _____

4. TYPE OF WORK:

☒ New well ☐ Deepen existing well ☐ Abandon existing well

Method: ☐ Cable ☒ Rotary ☐ Other: _____

5. WELL CONSTRUCTION DETAILS:

Borehole:

Dia. 10 5/8 in. from 0 ft. to 25 ft.

Dia. 6 in. from 25 ft. to 110 ft.

Dia. _____ in. from _____ ft. to _____ ft.

Casing:

Steel: Wall thickness .250 ☐ Threaded ☒ Welded

Dia. 6 5/8" in. from +2 ft. to 25 ft.

Dia. _____ in. from _____ ft. to _____ ft.

Casing Shoe: ☐ Yes ☒ No

Plastic: Pressure Rating SCH 40 lbs. ☐ Threaded ☒ Welded

Dia. 4½ in. from 10 ft. to 110 ft.

Perforations/Slotted Pipe:

Type of perforator used N/A

Size of perforations/slots _____ in. by _____ in.

_____ no. of perforations/slots from _____ ft. to _____ ft.

_____ no. of perforations/slots from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No

Material plastic

Dia. 4½ Slot size .020" from 35 ft. to 85 ft.

Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel Packed: ☐ Yes ☒ No

Size of gravel _____

Gravel placed from _____ ft. to _____ ft.

Packer: ☐ Yes ☒ No

Type _____ Depth(s) _____

Grout: Material used BENTONITE

Depth from 0 ft. to 25 ft. OR ☐ Continuous feed

6. WELL TEST DATA:

A well test is required for all wells. (*See details on well log report cover.*)

☐ Static water level 30 ft. below top of casing **or**

☐ Closed-in artesian pressure _____ psi.

How was test flow measured:

(bucket/stopwatch) weir, flume, flowmeter, etc _____

Yellowstone Controlled Groundwater Area - Water Temperature _____ °F

☐ AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level.
All depth measurements shall be from the top of the well casing.
Time of recovery is hours/minutes since pumping stopped.

Air test*

6 gpm with drill stem set at 110 ft. for 1 hours

Time of recovery 20 hrs/(min) Recovery water level 30 ft.

OR Bailer test*

_____ gpm with _____ ft. of drawdown after _____ hours

Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Pump test*

Depth pump set for test _____ ft.

_____ gpm pump rate with _____ ft. of drawdown after _____ hrs pumping

Time of recovery _____ hrs/min. Recovery water level _____ ft.

OR Flowing Artesian*

_____ gpm for _____ hours

Flow controlled by _____

**During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

7. WELL LOG:

Record depth(s) that water is encountered.

Depth, Feet From	Depth, Feet To	Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
0	1	TOPSOIL TAN SOFT
1	8	SANDY loam TAN SOFT
8	12	GRAVEL TAN med
12	51	SHALE Brown med
51	53	SANDY SHALE grey med
53	66	SHALE grey med
66	68	SAND SHALE grey med
68	71	SHALE dark med
71	85	SAND STONE dark med
85	110	SHALE dark SOFT

☐ ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 1/17/13

9. REMARKS: _____

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) ARAWA DRILLING INC

Address Box 114 JULIET MONT 59041

Signature _____

Date 1/27/13 License no. 1542

License type: ☐ MWC ☒ WWC ☐ WWD

Montana Bureau of Mines & Geology
The University of Montana
1300 West Park Street
Butte, MT 59701

37350

WELL OWNER'S COPY